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PATENT  
Docket No. 018512-005010US

Assistant Commissioner for Patents  
Washington, D.C. 20231

On

*Sept. 16, 2002*

TOWNSEND and TOWNSEND and CREW LLP

By:

*[Signature]*

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JEGLA, Timothy James

Application No.: 09/810,796

Filed: March 15, 2001

For: KCNQ5, A NOVEL POTASSIUM CHANNEL

Examiner: Bunner, B.

Art Unit: 1647

RESPONSE TO DETAILED ACTION

*12*  
*M. J.*  
*9/26/02*

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Detailed Action mailed August 16, 2002, please amend the application as follows. Applicants also elect SEQ ID NO:5 for the purposes of searching, as discussed below.

IN THE CLAIMS

Please cancel claims 1-40 without prejudice to subsequent revival.

Please add claims 41-48

41. (new) An isolated nucleic acid encoding a polypeptide comprising an alpha subunit of a KCNQ potassium channel, wherein said polypeptide forms, with at